Claims

5   1.   A network control device (CPS) for controlling data
transfer in a first network (IP),
        wherein said data transfer is supplied from a second
network (SCN) via a switch device (SD) adapted to control
said second network (SCN) and an interface establishing
10 device (GW) connected between said switch device (SD) and
said first network (IP), and
        said network control device (CPS) controls said
interface establishing device (GW) by using signalling
associated with said first network (IP).

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    2.   The network control device according to claim 1,
wherein said network control device (CPS) controls a
plurality of switch devices (SD) and interface
establishing devices (GW1) via said first network (IP).

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    3.   The network control device according to claim 1 or
2, wherein said first network (IP) is an IP based network
and said second network (SCN) is a switched circuit
network.

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    4.   The network control device according to one of the
previous claims, wherein said network control device
(CPS) is located remotely from said interface
establishing device (GW) and controls said interface
30 establishing device (GW) by transmitting control signals
(CS) via said first network (IP).

    5.   The network control device according to one of the
previous claims, wherein said network control device

controls parameters of said interface establishing device
(GW).

6. The network control device according to one of the
5 previous claims, wherein said network control device
loads control software for said interface establishing
device (GW) via said first network (IP) into said
interface establishing device (GW).

10 7. The network control device according to one of the
previous claims, wherein said data transfer relates to
telephone traffic.

8. An interface establishing device (GW) for providing
15 an interface between a first network (IP) and a second
network (SCN),
    wherein said interface establishing device (GW) is
adapted to receive data from said second network (SCN) by
using signalling associated with said second network
20 (SCN) and to transmit said data to said first network
(IP) by using signalling associated with said first
network (IP).

9. The interface establishing device according to claim
25 8, wherein said interface establishing device (GW) is
adapted to receive control signals (CS) from a remotely
located network control device (CPS).

10. The interface establishing device according to claim
30 8 or 9, wherein said interface establishing device (GW)
is connectable to a switch device (SD) adapted for
controlling said second network (SCN).

11. The interface establishing device according to claim
35 10, wherein said switch device (SD) comprises at least

one connecting means for connecting an exchange terminal
(ET) for a trunk line, and said interface establishing
device (GW) is adapted to be connected to one of said
connecting means in place of said exchange terminal (ET).

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12.   The interface establishing device according to claim
11, wherein said connecting means is a slot, and said
exchange terminal (ET) and said interface establishing
device (GW) are constructed as plug-in-units such that
10   both said exchange terminal (ET) and said interface
establishing means (GW) can be inserted in said slot.

13.   A network system comprising a network control device
according to one of the claims 1 to 7 and an interface
15   establishing device according to one of the claims 8 to
12.

14.   A method for controlling a network system comprising
a first network (IP), a second network (SCN), an
20   interface establishing device (GW) providing interface
between said networks, and a switch device (SD) to which
said interface establishing device (GW) is connected and
which controls said second network (SCN), said method
comprising the steps of
25   controlling (S1, S2, S3, S4) said interface
establishing device (GW) via said first network (IP) by
using signalling associated with said first network (IP),
           controlling (S5) said switch device (SD) via said
first network (IP) by using signalling associated with
30   said second network (SCN).

15.   The method according to claim 14, wherein said
controlling step comprises the steps of
           controlling (S2) parameters of said interface
35   establishing device (GW) and

loading (**S4**) control software for said interface establishing device (**GW**) if it is decided that an update is necessary (**S3**).

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